



# Team 55: National Firefighter Registry

In Collaboration with CDC-  
NIOSH

09/20/2020

# Presentation Link

<https://youtu.be/v2Z4LHAFDTk>

# Agenda

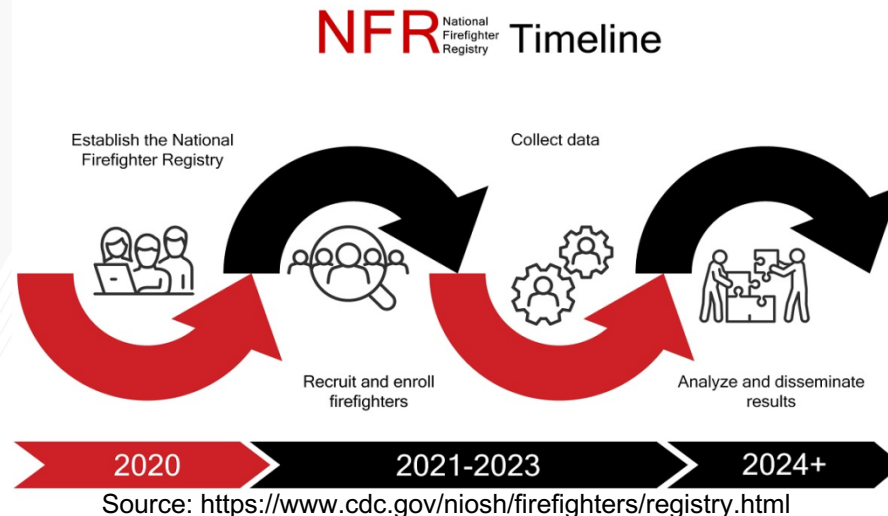
- Motivation Behind the National Firefighter Registry
- Scope of National Firefighter Registry
- Our Role
- Solution Architecture
- Project Plan

# Why create the National Firefighter Registry?

- Firefighters at higher risk for various cancers, respiratory conditions, etc.
- Limited information on long-term health of firefighters
- Need for long-term medical information and inclusion of women and minorities
- Creation spurred by passing of Firefighter Cancer Registry Act of 2018

# National Firefighter Registry

- CDC project to track health information of firefighters to analyze cancer trends
- Enrollment is on a volunteer basis
- Goal is >200,000 firefighters enrolled



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# Our Role

- Existing NFIRS casualty form not FHIR compatible
- Goal: Accept JSON/XML FHIR resources, validate, and insert into SQL database
- Add visualization capabilities

NFIRS-5 Fire Service Casualty																			
A		FDID		State		Incident Date		Station		Incident Number		Exposure		Delete		Change			
B		Injured Person		Identification Number		1 Male		2 Female		1 Career		2 Volunteer		C		Casualty Number			
D		Age or Date of Birth		Age		OR		Date of Birth		E		Date and Time of Injury		F		Responses			
G1		Usual Assignment		G2		Physical Condition Just Prior to Injury		G3		Severity		G4		Taken To		G5		Activity at Time of Injury	
H1		Primary Apparent Symptom		H2		Primary Part of Body Injured		I1		Cause of Firefighter Injury		I2		Factor Contributing to Injury		I3		Object Involved in Injury	

Source: NFIRS Reference Guide (2015) pp. 182

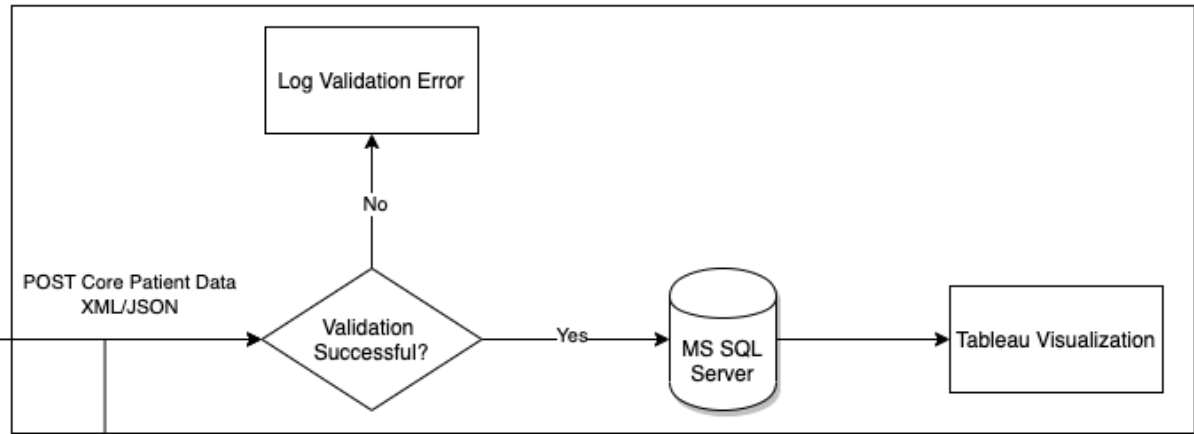
# Solution Architecture

Commercial Applications for Fire  
Fighter information



Fire Fighter Web  
Portal

In Scope for Team-55



9/20/2020

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# Project Plan

